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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Jon A. Wolff,
Vladimir S. Trubetskoy, Aaron G. Loomis,)
Paul M. Slattum, Sean D. Monahan,
James E. Hagstrom, Vladimir G. Budker

Serial No.: 09/328,975

Filed: 06/09/1999

Group Art Unit: 1635

For: Charge Reversal of Polyion Complexes

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. §1.131

Dear Sir:

I, an inventor, Vladimir S. Trubetskoy, hereby declare as follows:

- 1. I am an inventor of the captioned application.
- 2. Photocopies of pages from my, Vladimir Trubetskoy's, personal laboratory notebook showing recharging of DNA/polycation particles beginning on December 16, 1997 accompany this Declaration.
- 3. It is known to me that the process performed in the notebook pages results in the formation of negatively charged tertiary complexes as described in the present specification.
- 4. The recharging process was conceived prior to the effective date of the Office Action prior art reference.
- 5. Developed of the recharging process occurred with due diligence from conception to the filing of the application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Vladinair S. Trubetskoy

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Product bound was scraped plate with DTDNA-less MS (above (1) Cucl 2 chile the Oh Sulstantial DSS (appeur Whole Silice Chces/mon 8 65:10 rachon eva pora ted Nock of cased DWA partirles charged polyanion it an com recharge prepared in Bud keric

after 2h of manbation of reach mix of room to

The mixture was diluted twice with obeionized 400

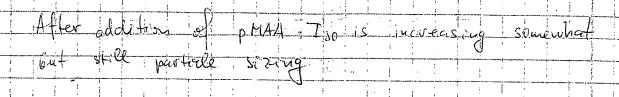
and to 12 2004/48 pll cased, 500 f of polymethan
rylic acid (pMAA) were added.

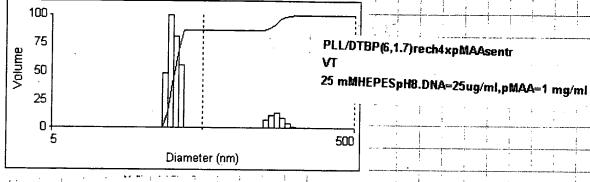
No.	FI	Conc.	
1	239.385	-10408 2N4/PLL (126) caped	L'4 DTKP
2	525.217	-22835 +5007 PMAA	
3	392.396	-17060 after contropy.	
4	720.091	-31308 +150mM Nacl	
5	481.248	-20923 after contropy.	

2-potential was also mensured

Run	Zeta Potential (mV)	Half Width (mV)	
1	7.66	2.34	
2	8.01	2.18	the state of the s
3	8.08	2.22	
4	10.20	2.58	A
5	8.06	2.63	DLL/DTDD/C 4.7\magel4/Dum 40\
6	6.74	2.25	PLL/DTBP(6,1.7)nosalt (Run 10)
7	6.69	2.29	VT
8	23.20	2.26	,DNA=17ug/ml, 17 mM HEPES, pH 8.0
9	8.05	2.24	,DIM-17 ug/mi, 17 mm neres, piro.o
10	27.45	4.86	
Mean	11.41	2.58	
Std. Err	or 2.36	0.26	

Run	Zeta Potential (mV)	Half Width (mV)	
1	-29.03	2.80	
2	-7.70	4.06	
3	- 15 . 37	2.74	l l
4	- 25.43	3.53	DLI (DTDD
5	-53.89	2.89	PLL/DTBP(6,1.7)+4xpMAAnosalt (Run 10)
6	-16.53	2.89	AL
7	-28.26	2.63	DNA-17
8	-24.13	3.00	,DNA=17ug/ml, 17 mM HEPES, pH 8.0
9	-26.00	7.24	A CONTRACTOR OF THE PARTY OF TH
10	-35.16	4.16	
Mean	-26.15	3.59	
Std. Erro	r 3.97	0.44	
• •			

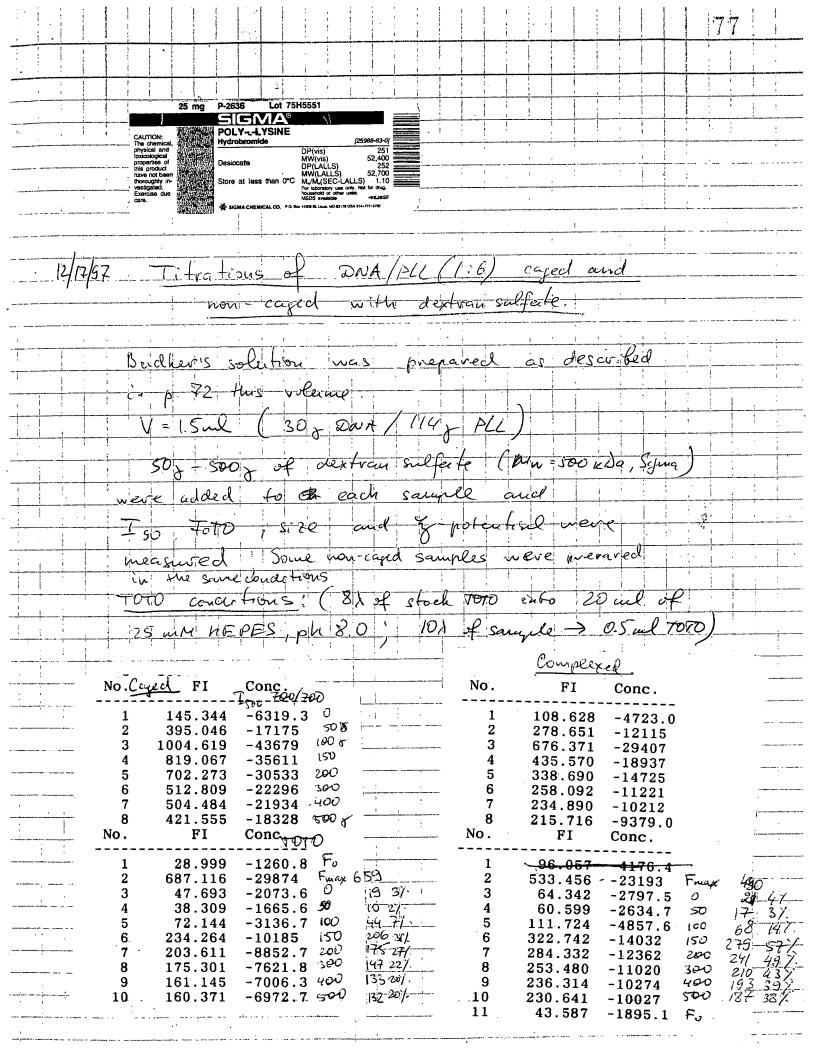


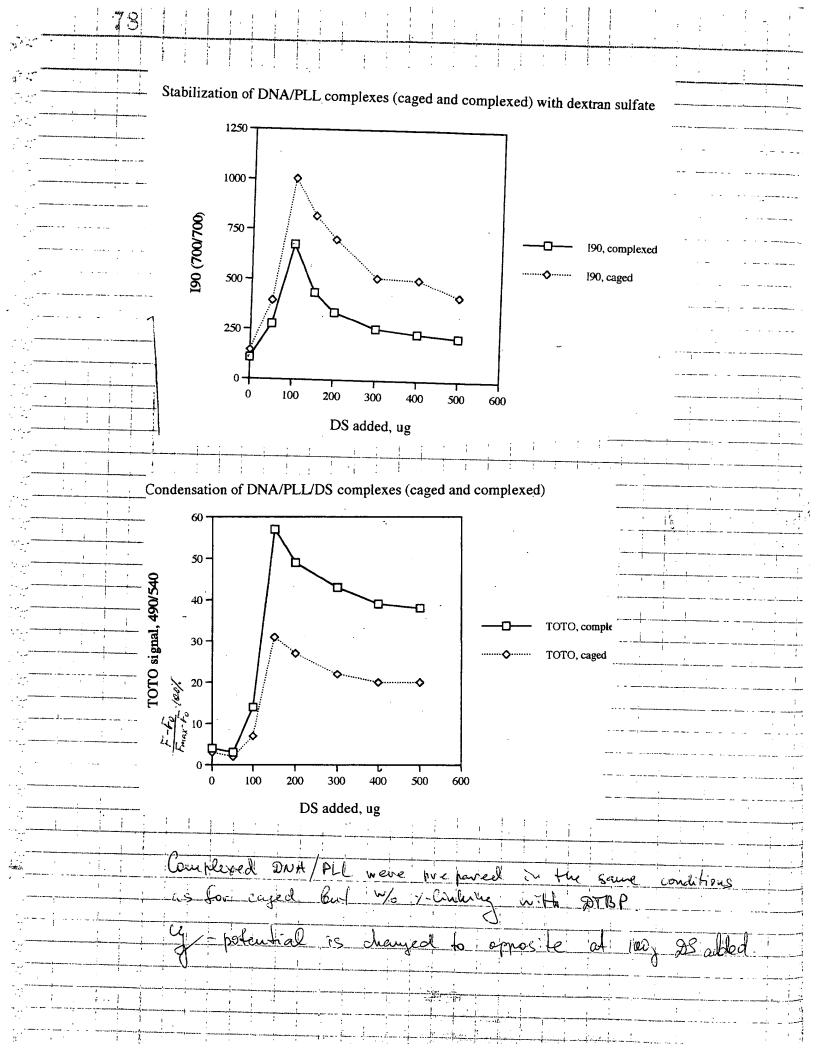


		,
30 20/11/9/150g		-
7 7 01 70	Basscally the same effect was observed with	<u> </u>
	dertran sulfate(DS) as counterion.	
	the mixture was as indicated on pts with exception	-
1.		-(
	that DS was udded as instead of pMAA	\dagger
		+

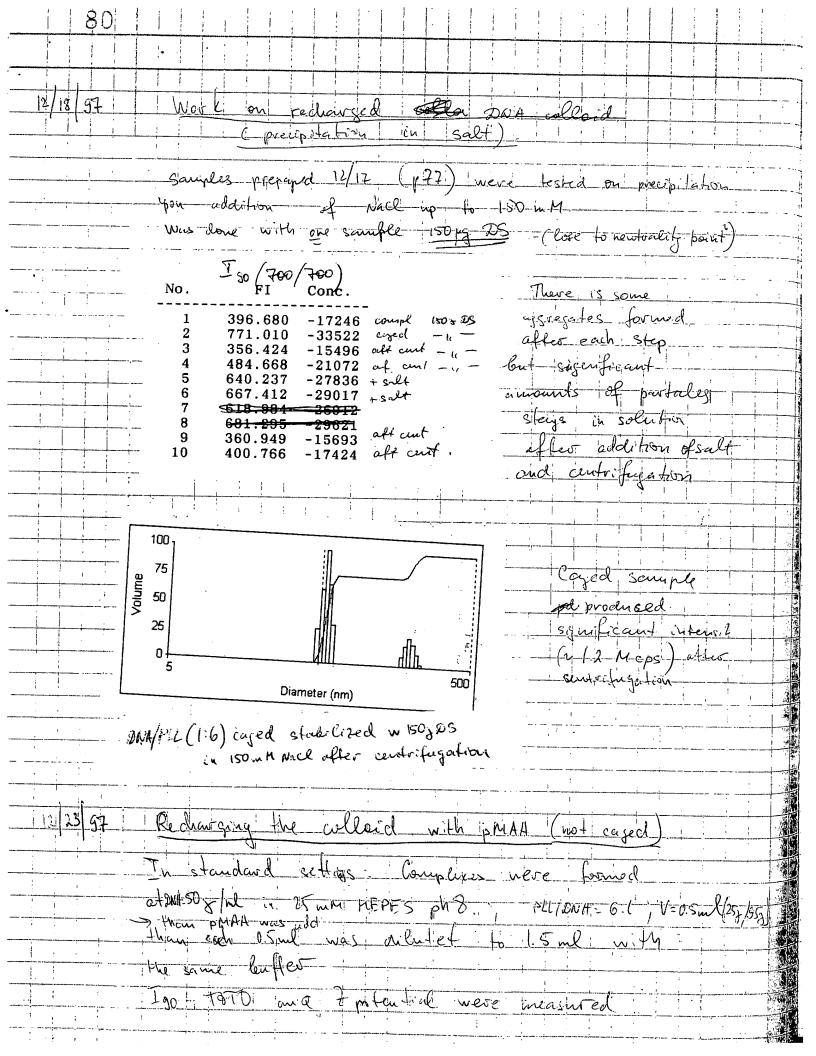
Run Ze	ta Potential (mV)	Half Width (mV)				1			i	- 4
1	33.22	2.41	1	1 ;	i		1. 1			- 1
2 .	27.98	2.61								i_
3	20.17	3.26						• •	!	
4	26.99	2.22					·			
5	10.37	2.35	PLL/DTBP(6,1.7)n	osalt	(Rur	100			_	,
6	27.01	2.05	VT	-,-	7-3-6	,			-	
7	33.33	2.24								
7 8	33.33 25.83	2.24 4.46		5 mM	HEPI	ES. æ	N.8 H	.DS=	=N 5.	ma/n
7 8 9			,DNA=25ug/ml, 25	5 mM 	HEP	ES, p	0.8 H	,DS=	0.5	mg/n
7 8 9 10	25.83	4.46		5 mM 	HEP	ES, p	O.8 H	,DS=	:0.5ı	mg/n
_	25.83 28.83	4.46 2.93		5 mM	HEP	ES, p	0.8 H	,DS=	-0.5	mg/n

	Run	Zeta Potential (mV)	Half Width (mV)	
	1 2 3 4 5 6	-7.34 -22.67 -13.63 -15.95 -2.55 -21.18	2.32 2.92 2.19 6.66 3.97 2.29	PLL/DTBP(6,1.7)+500ugDSnosalt (Run 10)
·	8 9 10	- 25.78 - 13.92 - 11.06 - 15.94	2.10 2.42 2.01 5.32	,DNA=25ug/ml, 25 mM HEPES, pH 8.0,DS=0.5mg/ml
	Mean Std. Err	or 2.23	3.21 0.50	





•	-		1.96	DIT /DTDD /C 4.73 /D 405	
	4	39.37 30.17	2.31	PLL/DTBP(6,1.7) (Run 10)	
:	5 6 ·	24.25	2.10	VT	
4	7	26.53	1.95	DNA=20ug/ml, 25 mM HEPES; pH 8.0	
4	8	22.45	2.10		• • • · ·
	9	29.20	1.85		
	10	29.55	2.96		
1	Mean	29.28	2.46		
-	Std. Error	1.51	0.22		
ŀ		D-44-1 ()0	Half Midth (m) 0		
- []-		ta Potential (mV)	Half Width (mV)		
	1	49.36 44.33	3.06 1.83	The same and the s	
, i	2 ´ 3	44.33 37.00	1.80		
Ĵ	4	33.83	3.36	PLL/DTBP(6,1.7)+50ugDS (Run 10)	1
- 11	5	39.11	2.34	VT (0,1.7)+364gDS (Run 10)	Ļ
	6	27.81	1.81		i :
	7	28.67	4.53	,DNA=20ug/ml, 25 mM HEPES, pH 8.0	
:	8	11.79	1.82		
	9	36.92	1.84		
-	10	28.00	3.19		and the depote the second is been
- 1	Mean	33.68	2.56		<u></u>
	Std. Error	3.30	0.30		
	Run Ze	ta Potential (mV)	Half Width (mV)		
Ý	1	- 18 . 29	1.86		1
-3	2	-8.36	1.87		
1	3	-6.31	1.93		
-	4	-14.52	1.93	DI LIDTON 4 TI 400 DC 40 400	1, 1, 1
	5	-14.56	1.89	PLL/DTBP(6,1.7)+100ugDS (Run 10)	
	6	-21.63	1.83	VT	1
٠.	7	-18.70	1.81	,DNA=20ug/ml, 25 mM HEPES, pH 8.1	D : .
	8 9	-25.67 -22.83	2.50 2.45	,	· +
_	10	-21.59	2.45		1
-					
	Mean Std. Error	- 17.25 1.99	2.01 .0.08		
-	ļ	 	· · · · · · · · · · · · · · · · · · ·		<u> </u>
-		eta Potential (mV)	Half Width (mV)	<u>'</u>	1 1 1
. 4	1 1	-19.49	1.61		
31.3	3	-30.43 -21.66	3.32 1.68		
	4	-20.73	1.63		
	1 -			DIL OTDOM A TO A	
	5	- 19.74	1.83	FLL/DTBP(6,1./)+150ugDS (Run 10)	
	6	-19.74 -21.84	1.83 3.94	PLL/DTBP(6,1.7)+150ugDS (Run 10)	
	6 7	-21.84 -20.72	3.94 1.70	VI	
	6 7 8	-21.84 -20.72 -30.38	3.94 1.70 2.06	VT ,DNA=20ug/ml, 25 mM HEPES, pH 8.0	
	6 7 8	-21.84 -20.72 -30.38 -16.76	3.94 1.70 2.06 2.26	VI	
	6 7 8	-21.84 -20.72 -30.38 -16.76 -22.71	3.94 1.70 2.06 2.26 1.92	VI	
	6 7 8	-21.84 -20.72 -30.38 -16.76 -22.71.	3.94 1.70 2.06 2.26 1.92	VI	•
	6 7 8	-21.84 -20.72 -30.38 -16.76 -22.71. -22.455 1.42	3.94 1.70 2.06 2.26 1.92 2.20 0.25	,DNA=20ug/ml, 25 mM HEPES, pH 8.0	
	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV)	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV	,DNA=20ug/ml, 25 mM HEPES, pH 8.0	
	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 1.42 eta Potential (mV) - 19.39	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39	,DNA=20ug/ml, 25 mM HEPES, pH 8.0	
	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 1.42 eta Potential (mV) - 19.39 - 23.80	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03	,DNA=20ug/ml, 25 mM HEPES, pH 8.0	
	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03 1.90	,DNA=20ug/ml, 25 mM HEPES, pH 8.0	
to a true of the state of the s	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 1.42 eta Potential (mV) - 19.39 - 23.80	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03	,DNA=20ug/ml, 25 mM HEPES, pH 8.0	D)
THE STATE OF THE STATE OF THE STATE OF	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03 1.90 2.17	VT ,DNA=20ug/ml, 25 mM HEPES, pH 8.0	D)
STATES AND STATES OF THE STATE	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03 1.90 2.17 2.75 1.71 4.28	PLL/DTBP(6,1.7)+200ugDS (Run 1)	
THE STATE OF THE S	6 7 8	-21.84 -20.72 -30.38 -16.76 -22.71 -22.455 1.42 eta Potential (mV) -19.39 -23.80 -15.61 -19.76 -17.92 -17.77 -22.13 -25.06	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03 1.90 2.17 2.76 1.71 4.28 3.88	VT ,DNA=20ug/ml, 25 mM HEPES, pH 8.0	
AND	6 7 8	-21.84 -20.72 -30.38 -16.76 -22.71 -22.455 1.42 eta Potential (mV) -19.39 -23.80 -15.61 -19.76 -17.92 -17.77 -22.13 -25.06 -18.99	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03 1.90 2.17 2.76 1.71 4.28 3.88 1.92	PLL/DTBP(6,1.7)+200ugDS (Run 1)	
SAN	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99	PLL/DTBP(6,1.7)+200ugDS (Run 1)	
AND STATE OF THE S	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.455 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99	PLL/DTBP(6,1.7)+200ugDS (Run 1)	
	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.455 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99	PLL/DTBP(6,1.7)+200ugDS (Run 1)	
A SOLD SOLD SOLD SOLD SOLD SOLD SOLD SOLD	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.455 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99	VT ,DNA=20ug/ml, 25 mM HEPES, pH 8.0 PLL/DTBP(6,1.7)+200ugDS (Run 1 VT ,DNA=20ug/ml, 25 mM HEPES, pH	
A SOLD THE STATE OF THE STATE O	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84 - 0.93	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99 2.60 0.29	VT ,DNA=20ug/ml, 25 mM HEPES, pH 8.0 PLL/DTBP(6,1.7)+200ugDS (Run 1 VT ,DNA=20ug/ml, 25 mM HEPES, pH	
THE SECOND CONTRACTOR OF THE PROPERTY OF THE P	6 7 8	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84 0.93 eta Potential (mV)	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV) 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99 2.60 0.29 Half Width (mV) 2.37 1.96	VT ,DNA=20ug/ml, 25 mM HEPES, pH 8.0 PLL/DTBP(6,1.7)+200ugDS (Run 1 VT ,DNA=20ug/ml, 25 mM HEPES, pH	
	6 7 8 9 10 Mean Std. Error Run Z 3 4 5 6 7 8 9 10 Mean Std. Error Run Z 2 3 1 2 3 1 2 3	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84 - 0.93 eta Potential (mV) - 17.23 - 8.34 - 13.48	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV) 3.39 2.03 1.90 2.17 2.76 1.71 4.28 3.88 1.92 1.99 2.60 0.29 Half Width (mV) 2.37 1.96 4.20	PLL/DTBP(6,1.7)+200ugDS (Run 1) VT ,DNA=20ug/ml, 25 mM HEPES, pH	
THE PROPERTY OF THE PROPERTY O	6 7 8 9 10 Mean Std. Error Run Z 3 4 5 6 7 8 9 10 Mean Std. Error Run Z 2 3 4 5 6 7 8 9 10 Mean Std. Error Run Z 2 3 4 4 5 6 7 8 9 10 Mean Std. Error Run Z 2 3 4 4 6 6 7 8 9 10 6 6 7 8 9 10 6 7 8 9	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84 - 0.93 eta Potential (mV) - 17.23 - 8.34 - 13.48 - 23.75	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV) 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99 2.60 0.29 Half Width (mV) 2.37 1.96 4.20 1.84	VT ,DNA=20ug/ml, 25 mM HEPES, pH 8.0 PLL/DTBP(6,1.7)+200ugDS (Run 1 VT ,DNA=20ug/ml, 25 mM HEPES, pH	
STATE OF STA	6 7 8 9 10 Mean Std. Error Run Z 3 4 5 6 7 8 9 10 Mean Std. Error Run Z 2 3 4 5 5 6 6 7 8 9 10 Mean Std. Error Run Z 4 5 6 6 7 8 6 7 8 9 10 Mean Std. Error Run Z 5 7 8 9 10 6 7	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84 - 0.93 eta Potential (mV) - 17.23 - 8.34 - 13.48 - 23.75 - 18.77	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV) 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99 2.60 0.29 Half Width (mV) 2.37 1.96 4.20 1.84 1.89	PLL/DTBP(6,1.7)+200ugDS (Run 1) VT ,DNA=20ug/ml, 25 mM HEPES, pH	
新四世代表 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 7 8 9 10 Mean Std. Error Run Z 3 4 5 6 7 8 9 10 Mean Std. Error Run Z 2 3 4 5 6 6 7 6 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84 0.93 eta Potential (mV) - 17.23 - 8.34 - 13.48 - 23.75 - 18.77 - 15.59	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV) 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99 2.60 0.29 Half Width (mV) 2.37 1.96 4.20 1.84 1.89 4.34	PLL/DTBP(6,1.7)+500ugDS (Run 10) PLL/DTBP(6,1.7)+500ugDS (Run 10)	
	6 7 8 9 10 Mean Std. Error Run Z 3 4 5 6 7 8 9 10 Mean Std. Error Run Z 5 6 7 8 9 10 Mean Std. Error Run Z 6 6 7	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84 0.93 eta Potential (mV) - 17.23 - 8.34 - 13.48 - 23.75 - 18.77 - 15.59 - 23.00	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV) 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99 2.60 0.29 Half Width (mV) 2.37 1.96 4.20 1.84 1.89 4.34 1.95	PLL/DTBP(6,1.7)+500ugDS (Run 10)	
	6 7 8 9 10 Mean Std. Error Run Z 3 4 5 6 7 8 9 10 Mean Std. Error Run Z 2 3 4 5 6 6 7 6 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.45 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84 0.93 eta Potential (mV) - 17.23 - 8.34 - 13.48 - 23.75 - 18.77 - 15.59	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV) 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99 2.60 0.29 Half Width (mV) 2.37 1.96 4.20 1.84 1.89 4.34	PLL/DTBP(6,1.7)+500ugDS (Run 10) PLL/DTBP(6,1.7)+500ugDS (Run 10)	
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	6 7 8 9 10 Mean Std. Error Run Z 1 2 3 4 5 6 7 8 9 10 Mean Std. Error Run Z 2 3 4 5 6 7 8 9 10 Mean Std. Error	- 21.84 - 20.72 - 30.38 - 16.76 - 22.71 - 22.455 - 1.42 eta Potential (mV) - 19.39 - 23.80 - 15.61 - 19.76 - 17.92 - 17.77 - 22.13 - 25.06 - 18.99 - 17.95 - 19.84 - 0.93 eta Potential (mV) - 17.23 - 8.34 - 13.48 - 23.75 - 18.77 - 16.59 - 23.00 - 23.10 - 22.88	3.94 1.70 2.06 2.26 1.92 2.20 0.25 Half Width (mV) 3.39 2.03 1.90 2.17 2.75 1.71 4.28 3.88 1.92 1.99 2.60 0.29 Half Width (mV) 2.37 1.96 4.20 1.89 4.34 1.95 2.04 2.12	PLL/DTBP(6,1.7)+500ugDS (Run 10) PLL/DTBP(6,1.7)+500ugDS (Run 10)	
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********	No.	FI		MAA	Conditions are the same
	1	13.291	-577.87 F	2 2 1 190	as in p.80.
	2 3	894.401 94.502	-38886 -4108.8	3(9.2	TOTO signals from
	4 5	339.541 844.788	-14762 15 -36729 50	g 31 94.3	PHAR blond and
•	6 7	901.778 931.606	-39207 100 -40504 200	948 104.2	DS alone wester mensured.
	8 9	961.974 978.774	-41824 100 -42555 20	948 107-6 965 109.5	polyanions did not
	No.	FI	Conc.	MAR - FORT	-change TOTO signals
	$\frac{1}{2}$	14.718 12.247	-639.91° -532.48 15	,	Low sout.
	3 4	11.329 12.886	-492.57 so -560.26 (%) -537.09 200	•	
	5 6	12.353 12.194	-530.17 500 -547.43 500		
	7 No.	12.591 FI	Conc.		
	1	29.793 868.746	-1295.3 f -37771	25	
	3	86.448 62.691	-3758.6 • -2725.7 25	74 8.6 50 5.8	
	5 6	158.887 854.383	-6908.1 co -37147 loo	146 . 17.0 842 984	
	7 8	433.794 371.326	-18860 300 -16144 300	42(49.2	
-	9 No	345.736 FI	-15032 500 Conc.	333 38.9	
	1	15.943	-693.17 o	DS - DNA	
	2 3	12.170 11.950	-529.13 % -519.57 %		
	4 5	12.479 12.135	-542.5700 -527.6120		FI Conc. 3-potential.
	6 7	14.364 12.913	-624.52 300 -561.43 500		40.148 -6093.4 1 0 25
				3	327.189 -14225 - 1/5 1008.335 -43840 + 5°
	1			5	753.784 -32773 — \@ 559.717 -24335 —
() 24		-		6 7	408.500 -17760 — 332.728 -14466 —
N	المنال المنال			No.	FI Conc.
: Orky				1 2 3	337.505 -14674 + 1008.335 -43840 + 1008.335 -43840 -
				4 : 5	503.257 -21880 - 203.894 -8865.0 - ∞
1			gen grantenite	6 7	177.915 -7735.4 - 135.729 -5901.3 -
<u> </u>	A Second			1 Town or an	